

Application No. 09/916,248

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) A method for independently updating individual display elements of a displayable Web page on a client device, the method comprising:

responsive to a first page request originating at a first browser window on the client device and directed to a first Web server at a first network address, receiving from the first Web server Hyper Text Markup Language (HTML) code specifying the individual display elements of the displayable Web page and including at least one script code;

automatically interpreting the at least one script code in the browser to prepare a proxy window on the client device and transmit a second page request for a second, non-displayable phantom Web page from the proxy window to a second Web server at a second network address;

displaying in ~~[[a]]~~ the first browser window of ~~[[a]]~~ the client device, ~~[[a]]~~ the displayable Web page assembled from the individual display elements of the displayable Web page ~~at least one first Web page element~~ downloaded from ~~[[a]]~~ the first Web server;

~~transmitting, to the Web server, a request for a non displayable phantom Web page;~~

responsive to the second page request for said non-displayable phantom Web page, receiving at the client device, from the second Web server at the second network address, at least

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one second Web page element that is related to at least one of the ~~[[first]] individual display elements of the displayable Web page~~ ~~[[element]] and associated with said non-displayable phantom Web page;~~

assembling without displaying the non-displayable phantom Web page in the proxy window from the at least one second Web page element; and

while continuing to display the displayable Web page in the first browser window, updating said at least one of the ~~[[first]] individual display elements of the displayable Web page element in the first displayable Web page~~ ~~[[with]] using said~~ at least one second Web page element associated with said non-displayable phantom Web page assembled but not displayed in the proxy window ~~without reassembling the displayable Web page.~~

2. (Previously Presented) A method as defined in claim 1, wherein the steps of transmitting, receiving, and updating are accomplished without a client device agent other than a Web browser.

3. (Previously Presented) A method as defined in claim 1, wherein the second Web page element replaces the first Web page element on the displayable Web page.

4. (Previously Presented) A method as defined in claim 3, wherein transmitting the request for the second Web page element is responsive to a timer event.

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5. (Previously Presented) A method as defined in claim 3, wherein transmitting the request for the second Web page element is responsive to a mouse-over event.
6. (Previously Presented) A method as defined in claim 3, wherein transmitting the request for the second Web page element is responsive to a mouse click event.
7. (Previously Presented) A method as defined in claim 1, wherein the second Web page element augments the first Web page element on the displayable Web page.
8. (Previously Presented) A method as defined in claim 7, wherein transmitting the request for the second Web page element is responsive to a timer event.
9. (Previously Presented) A method as defined in claim 7, wherein transmitting the request for the second Web page element is responsive to a mouse over event.
10. (Previously Presented) A method as defined in claim 7, wherein transmitting the request for the second Web page element is responsive to a mouse click event.
11. (Previously Presented) A method as defined in claim 7, wherein the second Web page element is displayed in a pop-up window in the browser window.

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12. (Previously Presented) A method as defined in claim 7, wherein the second Web page element is produced by a browser window action.
13. (Previously Presented) A method as defined in claim 7, wherein the second Web page element provides a responsive hyperlink of the browser window.
14. (Previously Presented) A method as defined in claim 1, wherein the second Web page element is received by the client device from the Web server.
15. (Previously Presented) A method as defined in claim 1, wherein the second Web page element is received by the client device from a computer other than the Web server.
- 16.-17. (Cancelled)
18. (Previously Presented) A method as defined in claim 1, wherein the second Web page element comprises a text element to be displayed with the displayable Web page.
19. (Previously Presented) A method as defined in claim 18, wherein the second Web page element comprises a text element and at least one source element to be displayed with the displayable Web page.

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20. (Previously Presented) A method as defined in claim 19, wherein the source element comprises a sound file.
21. (Previously Presented) A method as defined in claim 19, wherein the source element comprises an image file.
22. (Previously Presented) A method as defined in claim 19, wherein the source element comprises a video file.
23. (Previously Presented) A method as defined in claim 19, wherein the source element comprises a streaming multimedia file.
24. (Previously Presented) A method as defined in claim 1, wherein the second Web page element comprises a source element to be processed by the browser.
25. (Previously Presented) A method as defined in claim 24, wherein the source element comprises an image file.
26. (Previously Presented) A method as defined in claim 24, wherein the source element comprises an applet.

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27. (Previously Presented) A method as defined in claim 1, wherein the second Web page element replaces the first Web page element on the displayable Web page.

28.-41. (Cancelled)

42. (Previously Presented) A method as defined in claim 56, wherein the text element is received by the client device from the server.

43. (Previously Presented) A method as defined in claim 56, wherein the text element is received by the client device from a computer other than the server.

44. (Previously Presented) A method as defined in claim 54, wherein the step of selectively updating the one or more Web page elements in said first web page in the first browser window further comprising updating the displayed Web page without refreshing the entire page.

45.-46. (Cancelled)

47. (Previously Presented) A method as defined in claim 54, wherein said client device is a personal computer.

48. (Previously Presented) A method as defined in claim 54, wherein said client device is a handheld device.

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49. (Currently Amended) A method as defined in claims 47 ~~[[and]]~~ or 48, wherein said second Web page element is not a multimedia or image file.

50. (Previously Presented) A method as defined in claim 49, wherein no browser plug-ins are utilized.

51. (Previously Presented) A method as defined in claim 50, wherein no Java Applets are utilized.

52. (Previously Presented) A method as defined in claim 51, wherein transmitting a request for the second element of the Web page occurs after the HTTP connection has terminated.

53. (Previously Presented) A method as defined in claim 52, wherein the server utilizes non-Microsoft Web server software.

54. (Currently Amended) A method of assembling, displaying and updating a Web page at a client device in a Web client-server network, the method comprising the steps of:

providing a browser application executing on the client device and operative to display at least one first browser window on the client device;

responsive to a first web-page request to a Web server originating from the first browser window on the client device, downloading ~~a first Web page instructions~~ HTML code to the client

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device from the Web server wherein the HTML code includes, at least in part, a reference to a JavaScript file at the Web server;

processing said ~~first Web page instructions~~ HTML code using said browser application to cause the browser to request one or more Web page elements associated with a first Web page from the Web server;

parsing said reference to the JavaScript file using the browser application to cause the browser to generate a data-request from a JavaScript-file-referenced web server;

responsive to the data-request from a JavaScript-file-referenced web server, generating a JavaScript code at the JavaScript-file-referenced web server and delivering it to the browser;

assembling the one or more Web page elements to generate and visibly display the first Web page in the first browser window as directed by the first Web page instructions;

responsive to the JavaScript code ~~at least one specific instruction~~ encountered upon processing said ~~first Web page instructions~~, causing the browser to request a phantom web-page from the Web server for receipt within ~~the first~~ a second browser window on the client device, said ~~specific instruction~~ JavaScript code operative to cause the phantom web-page to be non-displayable in said ~~[[first]]~~ second browser window;

responsive to the browser requesting said phantom web-page, retrieving a data associated with the non-displayable phantom Web page from the Web server, the data related at least in part to the one or more Web page elements of the first Web page; and

selectively updating the one or more Web page elements in said first visible web page in the first browser window using said data associated with the non-displayable phantom Web page so as to preclude reassembly of the first visible web page.

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55. (Previously Presented) The method of claim 54, wherein said first Web page instructions are, at least in part, browser display instructions specifying the format of the first Web page and a location of at least one text element to be displayed on the first Web page.

56. (Previously Presented) A method as defined in claim 54, wherein the one or more Web page elements associated with the first Web page include at least one text element.

57. (Previously Presented) A method as defined in claim 56, wherein the steps of retrieving and selectively updating the text element are accomplished without a client device agent other than a Web browser.

58. (Previously Presented) A method as defined in claim 56, wherein the step of retrieving the data associated with the non-displayable phantom Web page from the Web server includes receiving an updated text element of the displayed Web page.

59. (Previously Presented) A method as defined in claim 54, further comprising receiving an updated source element of the displayed Web page.

60.-64. (Cancelled)

65. (Previously Presented) The method of claim ¹⁰[[64]] 54, wherein the JavaScript code is placed at an appropriate location in the HTML code for the Web page.

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66. (Previously Presented) The method of claim 65, wherein, the JavaScript code is interpreted by the browser causing the browser to request the phantom web-page from the Web server.

67. (Previously Presented) The method of claim 66, wherein responsive to the browser requesting said phantom web-page from the Web server, the Web server generates and sends update data to the browser.

68. (Previously Presented) The method of claim 67, wherein upon receipt of said update data, the browser processes the update data according to the JavaScript code to cause the selective updating of the one or more Web page elements in said first visible web page.